Form PTO-1449	ATTY DOCKET NO. ~~QE1034.US~~	APPLICATION NO. ~~10/385,032~~
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	APPLICANT Jayabharthi et al	10/686,151
	FILING DATE 10/15/2003	GROUP ~~2121~~ 2138

OIPE APR 0 4 2006 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
DG	4,603,382		07/1986	Cole			
	5,249,271		09/1993	Hopkinson			
	5,276,662		01/1994	Shaver, Jr. et al			
	5,361,267		11/1994	Godiwala et al			
	5,640,602		06/1997	Takase			
	6,134,063		10/2000	Weston-Lewis et al			
	6,157,984		12/2000	Fisher			
	6,487,631		11/2002	Dickinson et al			
	5,271,018		12/1993	Chan			
	5,500,848		03/1996	Best et al			
	5,615,190		03/1997	Best et al			
	5,822,142		10/1998	Hicken			
	5,835,930		11/1998	Dobbek			
	5,937,435		08/1999	Dobbek et al			
	6,201,655		03/2001	Watanabe et al			
	6,223,303		04/2001	Billings et al			
	6,279,089		08/2001	Schibilla et al			
	6,470,461		10/2002	Pinvidic et al			
	5,127,098		06/1992	Rosenthal et al			
	5,315,708		05/1994	Eidler et al			
	5,420,984		05/1995	Good et al.			
	5,572,148		11/1996	Lytle et al			
	5,649,230		07/1997	Lentz			
	5,841,722		11/1998	Willenz			
	5,890,207		03/1999	Sne et al			
	5,907,717		05/1999	Ellis			
	5,983,293		11/1999	Murakami			
	6,029,226		02/2000	Ellis et al			
	6,070,200		05/2000	Gates et al			
	6,081,849		06/2000	Born et al			
	6,401,149		06/2002	Dennin et al			
	6,330,626		11/2001	Dennin et al			
	3,800,281		03/1974	Devore Et Al.			
	4,881,232		11/1989	Sako Et Al			
	4,949,342		08/1990	Shimbo Et Al			
	5,027,357		06/1991	Yu Et Al			
	5,068,857		11/1991	Yoshida			
	5,136,592		08/1992	Weng			
	5,157,669		10/1992	Yu Et Al			
DG	5,361,266		11/1994	Kodama Et Al			

EXAMINER [signature] DATE CONSIDERED 3/19/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

ATTY DOCKET NO.	APPLICATION NO.
~~QE1034.US~~	~~10/[illegible]~~

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

APPLICANT	
Jayabharthi et al	10/686,151
FILING DATE	**GROUP**
10/15/2003	~~2124~~ 2138

OIPE SC101 APR 0 6 2005 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

DG	5,491,701		02/1996	Zook			
	5,563,896		10/1996	Nakaguchi			
	5,581,715		12/1996	Verinsky Et Al			
	5,592,404		01/1997	Zook			
	5,600,662		02/1997	Zook et al.			
	5,602,857		02/1997	Blauer et al.			
	5,626,949		05/1997	Zook			
	5,991,911		11/1999	Zook			
	6,092,231		07/2000	Sze			
	4,001,883		01/1977	Strout Et Al			
	4,805,046		02/1989	Kuroki Et Al			
	4,809,091		02/1989	Miyazawa Et Al			
	4,989,190		01/1991	Kuroe Et Al.			
	5,050,013		09/1991	Holsinger			
	5,068,755		11/1991	Hamilton Et Al			
	5,257,143		10/1993	Zangenehpour			
	5,274,509		12/1993	Buch			
	5,276,564		01/1994	Hessing Et Al			
	5,307,216		04/1994	Cook Et Al			
	5,627,695		05/1997	Prins et al			
	4,016,368		04/1977	Apple Jr.			
	4,156,867		05/1979	Bench Et Al			
	4,225,960		09/1980	Masters			
	4,807,253		02/1989	Hagenauer Et Al			
	4,860,333		08/1989	Bitzinger Et Al			
	4,866,606		09/1989	Kopetz			
	4,920,535		04/1990	Watanabe Et Al			
	5,023,612		06/1991	Liu			
	5,051,998		09/1991	Murai Et Al			
	5,088,093		02/1992	Storch Et Al			
	5,117,442		05/1992	Hall			
	5,146,585		09/1992	Smith, III			
	5,162,954		11/1992	Miller Et Al			
	5,204,859		04/1993	Paesler Et Al			
	5,220,569		06/1993	Hartness			
	5,237,593		08/1993	Fisher Et Al			
	5,243,471		09/1993	Shinn			
	5,544,180		08/1996	Gupta			
	4,500,926		02/1985	Yoshimaru Et Al			
	4,777,635		10/1988	Glover			
	4,972,417		11/1990	Sako Et Al			
	4,975,915		12/1990	Sako Et Al			
DG	5,218,564		06/1993	Haines et al			

EXAMINER [signature] DATE CONSIDERED 3/19/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449	ATTY DOCKET NO. ~~QE1054.US~~	APPLICATION NO. ~~10/385,092~~
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	APPLICANT Jayabharthi et al.	10/686,151
(Use several sheets if necessary)	FILING DATE 10/15/2003	GROUP ~~2131~~ 2138

U.S. PATENT DOCUMENTS

DG	5,280,488		01/1994	Glover Et Al			
	5,285,327		02/1994	Hetzler			
	5,428,627		06/1995	Gupta			
	4,390,969		06/1983	Hayes			
	4,587,609		05/1986	Boudreau Et Al			
	4,807,116		02/1989	Katzman Et Al			
	5,014,186		05/1991	Chisholm			
	5,133,062		07/1992	Joshi Et Al			
	3,988,716		10/1976	Fletcher et al			
	4,050,097		09/1977	Miu et al			
	4,275,457		06/1981	Leighou et al			
	4,451,898		05/1984	Palermo et al			
	4,486,750		12/1984	Aoki			
	4,625,321		11/1986	Pechar et al			
	4,811,282		03/1989	Masina			
	4,812,769		03/1989	Agoston			
	4,970,418		11/1990	Masterson			
	5,261,081		11/1993	White et al			
	5,440,751		08/1995	Santeler et al			
	5,692,165		11/1997	Jeddeloh et al			
	5,719,516		02/1998	Sharpe-Geisler			
	5,745,793		04/1998	Atsatt et al			
	5,758,188		05/1998	Applebaum et al			
	5,801,998		09/1998	Choi			
	5,818,886		10/1998	Castle			
	5,831,922		11/1998	Choi			
	5,844,844		12/1998	Bauer et al			
	5,850,422		12/1998	Chen			
	5,854,918		12/1998	Baxter			
	5,925,135		07/1999	Trieu et al			
	5,950,223		09/1999	Chiang et al			
	5,968,180		10/1999	Baco			
	6,029,250		02/2000	Keeth			
	6,041,417		03/2000	Hammond et al			
	4,667,286		05/1987	Young et al			
	5,109,500		04/1992	Iseki et al			
	5,523,903		06/1996	Hetzler et al			
	5,729,718		03/1998	Au			
	5,890,210		03/1999	Ishii et al			
	6,029,226		02/2000	Ellis et al			
	6,381,659		04/2002	Proch et al			
DG	6,490,635		12/2002	Holmes			

EXAMINER D Ngo DATE CONSIDERED 3/19/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449	ATTY DOCKET NO. ~~QP1034.US~~	APPLICATION NO. ~~10/[illegible]~~
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	APPLICANT Jayabharthi et al.	10/686,151
(Use several sheets if necessary)	FILING DATE 10/15/2003	GROUP ~~2132~~ 2138

U.S. PATENT DOCUMENTS

DG	6,574,676		06/2003	Megiddo			
	6,826,650		11/2004	Krantz et al			
	5,072,420		12/1991	Conley et al			
	5,193,197		03/1993	Thacker			
	5,249,271		09/1993	Hopkinson et al			
	5,276,807		01/1994	Kodama et al			
	5,301,333		04/1994	Lee			
	5,339,443		08/1994	Lockwood			
	5,408,644		04/1995	Schneider et al			
	5,465,343		11/1995	Henson et al			
	5,487,170		01/1996	Bass et al			
	5,506,989		04/1996	Boldt et al			
	5,507,005		04/1996	Kojima et al			
	5,519,837		05/1996	Tran			
	5,544,346		08/1996	Amini			
	5,546,545		08/1996	Rich			
	5,546,548		08/1996	Chen et al			
	5,574,867		11/1996	Khaira			
	5,583,999		12/1996	Sato et al			
	5,623,672		04/1997	Popat			
	5,664,121		09/1997	Cerauskis			
	5,689,656		11/1997	Baden et al			
	5,692,135		11/1997	Alvarez II et al			
	5,740,466		04/1998	Geldman			
	5,784,569		07/1998	Miller et al			
	5,794,073		08/1998	Ramakrishnan et al			
	6,178,486		01/2001	Gill et al			
	6,530,000		03/2003	Krantz et al.			
	5,488,688		01/1996	Gonzales et al			
	5,754,759		05/1998	Clarke et al			
	6,297,926		10/2001	Ahn, Young-Sub			
	6,094,320		07/2000	Ahn, Young-Sub			
	6,067,206		05/2000	Hull Et Al.			
	6,078,447		06/2000	Sim, Dong-Goo			
	6,065,053		05/2000	Nouri et al			
	6,124,994		09/2000	Malone, Sr			
	4,080,649		03/1978	Calle et al			
	5,285,451		02/1994	Henson et al			
	5,691,994		11/1997	Acosta et al			
	5,912,906		06/1999	Wu Et Al			
	6,192,499		02/2001	Yang			
DG	6,662,334		12/2003	Stenfort			

EXAMINER [signature] DATE CONSIDERED 3/19/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449	ATTY DOCKET NO. ~~GP1034.US~~	APPLICATION NO. ~~10/[illegible]~~
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	APPLICANT Jayabharthi et al	10/686,151
(Use several sheets if necessary)	FILING DATE 10/15/2003	GROUP ~~2137~~ 2138

U.S. PATENT DOCUMENTS

DG	2001/0044873		11/2001	Wilson et al			
DG	2003/0037225		02/2003	Deng Et Al.			

FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	TRANSLATION NO
DG		0718827		06/1996	EP				
		2285166		06/1995	GB				
		0528273		02/1993	EP				
		0622726		11/1994	EP				
		03183067		08/1991	JP				
		63-292462		11/1988	JP				
		01-315071		12/1989	JP				
DG		98/14861		04/1998	WO				

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

DG	PCT International Search Report, Doc. No. PCT/US00/15084, Dated Nov. 15, 2000, 2 Pages.
	Blathut R. Digital Transmission of Information (Dec. 4, 1990), pp 429-430
	Hwang, Kai and Briggs, Faye A., "Computer Architecture and Parallel Processing" pp-156-164
	Zeidman, Bob, "Interleaving DRAMS for faster access", System Design ASIC & EDA, pp 24-34 (Nov. 1993).
	P.M. Bland et. al. Shared Storage Bus Circuitry, IBM Technical Disclosure Bulletin, vol. 25, no. 4, sep 1982, pp 2223-2224
	PCT search report for PCT/US00/07780 mailed 08/02/2000, 4 Pages
DG	PCT Search Report for PCT/US01/22404, mailed 01/29/2003, 4 Pages

EXAMINER	DATE CONSIDERED 3/19/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.